# OREGON RESEARCH NEWS

## In this Issue...


| | |
|---|---|
| Clarity 16 | 2 |
| MegaLoSound | 3 |
| VideoMaster | 4 |
| Sequencer One + | 5 |
| Devpac 3 | 6 |
| HighSpeed Pascal | 7 |
| Product Specials | 8 |


Happy New Year! Oregon Research has had a great year in '93, and are looking forward to lots of great things to come this year.

One of the best things that has happened is our entry into the Amiga market with a terrific line of products in all sorts of product categories.

For those of you who are not familiar with us, let us give you a brief background.

At Oregon Research, we have always had an undying devotion to creative, alternative computing. We have been developing and distributing microcomputer software since 1986. Dedicated to providing superior products and product support, we are excited about bringing our famous level of service to the Amiga community. Be on the lookout for additional Oregon Research products in the near future.

Our Amiga Product line includes Products for all tastes and needs. We offer a powerful line of Development tools, sound sampling hardware and software combinations, music sequencers with the added ability to play the samples you have recorded with our samplers, prerecorded samples and music parts for use in the sequencers, a video sequencer, and even an amazing flight simulator!

All of these products are backed by our world famous technical support, free! You can call us during office hours, or receive the same outstanding support on either of the most popular national on-line services, GEnie and CompuServe.

Here is a brief overview of our new Amiga products. Turn the page for more information on each.

## MUSIC PRODUCTS

### Sequencer One

Sequencer One is a music recording, editing, and replay program for use with MIDI musical instruments and the internal sound chip of your Amiga computer. This Incredibly affordable product gives you a powerful, 32 track recording studio for your MIDI, plus the ability to replay samples at the same time!

### Sequencer One Plus

Sequencer One Plus adds to the power of Sequencer one with a revolutionary Diamond Drag note editing system, a 32 song Juke Box page, and many powerful, professional MIDI functions, such as full MIDI clock signals, sysex handling, and filtering and remapping options.

## SOUND AND VIDEO

### Clarity 16

Clarity 16 is a low-cost, professional, 16 bit stereo sound sampler for all Amigas. The hardware plugs into the serial and parallel ports on the computer, and allows you to record in 8 or 16 bit at up to 44.1 kHz from any sound source. Includes a complete MIDI interface on board.

### MegaLoSound

This is an amazing, low cost 8 bit stereo sound sampler with high speed sampling, a large array of effects and features, and the ability to record samples direct to your hard disk!

### VideoMaster

VideoMaster allows A500, 500+, 600 and 1200 owners to sample full screen color stills from a video camera, or quarter screen, 30 frame per second, grey scale video clips, complete with sound, from any composite video source. An available accessory allows you to digitize full screen color stills from a source with a good still frame pause.

## PROGRAMMING

We feature powerful development packages, Devpac 3, assembly language, and HighSpeed Pascal, a powerful compiler compatible with Turbo Pascal on the PC. Also look for HiSoft Basic 2, an incredible upgrade from HiSoft Basic Professional.

## OFFICE HOURS

**Order and information**
9:00 AM - Noon/1:00PM-4:00PM
**Technical Support**
9:00 AM - Noon All times Pacific

OREGON RESEARCH

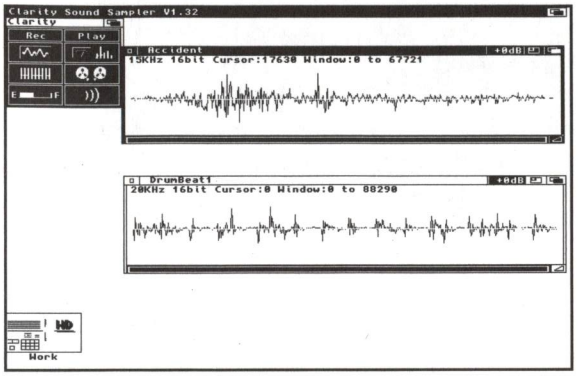
# Clarity 16

**Info**

MRP: $229.95
- ✓ A500
- ✓ A1200
- ✓ A2000
- ✓ A3000/4000

**Version 1.32**

You have been waiting for a low-cost, high quality, 16 bit, STEREO sampler for your Amiga. Well... Here it is! Clarity 16 introduces the superb quality of 16 bit technology in sound sampling to the rest of us.

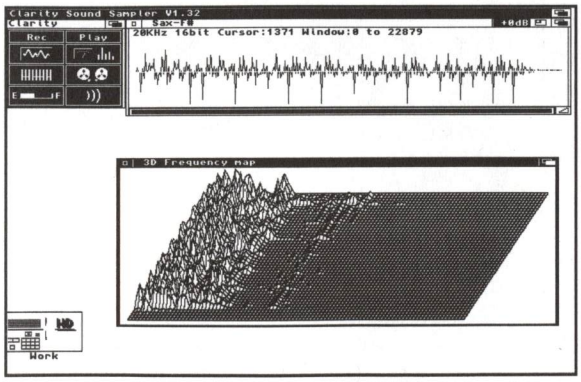



**The Editor Window**

The cartridge contains two 16 bit Analog to Digital/ Digital to analog conberters to allow Stereo sound digitizing. The system can record sound from any suitable equipment such as a CD player, cassette recorder, or any 'Aux' or 'Line' level signal source via the stereo phono sockets provided. Stereo phono outputs are provided for connection to an amplifier or mixer. The hardware plugs into the Serial and Printer ports and can be used with the whole range of Amiga computers. Adding to this already amazing device, Clarity 16 also contains a MIDI interface, providing connection to keyboards, drum machines, and now, even guitars.

## The Editor

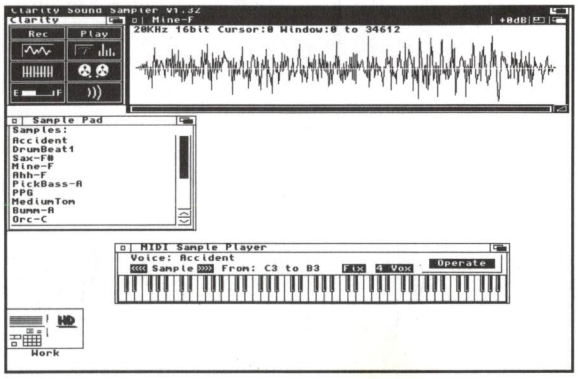
The editor program provides the user with the ultimate in power and sophistication, packed with features, giving the greatest flexibility available. The fully Multi-tasking, window styled editor allows individualsamples to be loaded into the computer and edited separately. The program can load samples of 8 or 16 bit format and freely convert between them. Sample rates of up to 44.1 Khz can be used and the program can re-synthesize samples to practically any other speed. Samples can be replayed through the stereo 16 bit cartridge output, or played through the standard Amiga output using advanced algorithms to obtain an incredible sample resolution of 14 bits. Standard Editing Features include:




**3D Display(FFT) of a Sample**

- •Cut/Paste/Delete
- •Fade In/Out
- •Reverse
- •Channel Swap / Stereo Pan
- •Overlay/Insert/Mix
- •Volume Up/Down
- •Trigger Sampling
- •Loopfade

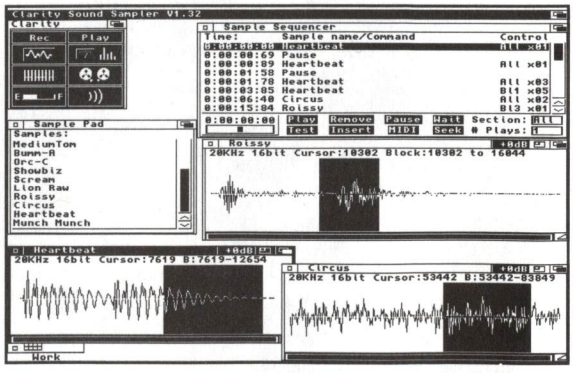
The Editor can also perform more advanced forms of editing, such as sample Fourier analysis, special effects (including Echo, Flange, Reverb, Chorus and Distortion), Digital filtering ( Band pass, low pass, high pass, and band stop) and re-synthesis of samples to any other frequency.




**MIDI Sample Play Function**

## MIDI Functions/Sample Sequencer

The MIDI menu transforms your Amiga into a flexible Multivouice MIDI keyboard emulator. Samples can be assigned to any individual note or range of notes in a 7 octave range. Keyboards can then be saved as a set for future use. There is also an easy to use, one track sample sequencer. This allows you to Re-arrange/Remix your samples using a sample list style editor. Simply drop in the sample you have recorded and tell the program the mumber of times you want it to repeat, and you can produce fantastic remixes.




**The Sample Sequencer**

*16200 SW Pacific Highway, Suite 162 Tigard, OR 97224 • Phone (503)620-4919 • Fax (503) 624-2940*

# OREGON RESEARCH

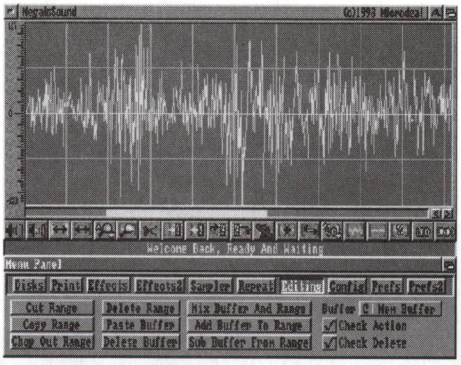
# MegaLoSound

**Info**

MRP: $59.95
✓A500
✓A1200
✓A2000
✓A3000/4000

**Version 1.37**

## *The Fast, Affordable, Full Featured, Direct-to-Disk Stereo Sound Sampler for your Amiga*



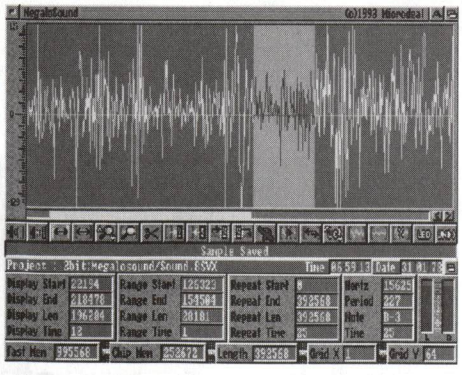

MegaloSound is an exciting addition to our established tradition of outstanding sound samplers for the Amiga. This package offers high quality 8-bit sound sampling hardware that includes volume control and stereo line input connectors. The powerful yet easy to use software allows easy control over every aspect of the sampling process.

Some exciting features of MegaloSound include:

## ✓ High Speed Sampling

Megalosound allows a phenomenal sampling rate of 70,937 Hertz in mono and 39,409 Hertz in Stereo on a standard A500 - if you own an A1200 or higher/faster you can attain rates of up to 84KHz in mono and 56KHz in stereo.

You may sample Left, Right, Stereo or in Mono, which is a new feature that combines the left and right channels into one signal so that you don't lose any sound data. You can also filter the sound in real-time and then combine the data to give better sound quality for the lower sampling rates. There is also a new Multi-Tasking monitoring feature which allows you to hear the incoming sound from the sampling cartridge while you are using Megalosound.

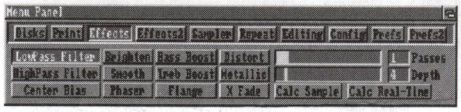



## ✓ Direct-to-Disk Sampling

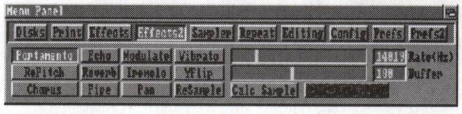
Built into Megalosound is the option to sample direct to disk which allows anyone with a fast enough device to take enormous samples with ease. You are no longer limited by memory! Sampling speeds are up to 21KHz stereo and 28KHz mono on a standard A1200 - rates will very depending on the speed and fragmentation level of your hard disk. Now you can save entire songs directly onto your hard disk! WOW!

## ✓ Extensive Special Effects

An outstanding feature of Megalosound, these powerful effects menus allow access to over 20 special effects in addition to all the effects that are built into the main editing panel.




Exciting special effects include: Variable Low Pass and HighPass Filters, Variable Bass and Treble Boost, Brightness Boost, Echo, Reverb, Flange, Phaser, Modulation, Distortion, Chorus, Portamento and re-pitch.




There is the option to apply many of the changes in real-time to allow you to emulate special effects hardware. All samples can be saved in raw or standard IFF format.

## ✓ Many Extras

Comprehensive print facilities include a waveform print-out with an optional grid, and complete sample details such as sample length & speed, project name, time/date etc. Other features are cut/copy/paste, magnify, real-time frequency analyzer, sample player etc.

There are many options to set-up how you want the Megalosound program to run. The Config menu includes options such as: Graph Modes Outline, Filled & dotted), Sample Modes (Normal, Fast & Filtered), Effects Editing Modes (Range, Display, Repeat or Waveform) which allow you to set-up where you would like the effects processed. You can choose to enable/disable the undo buffer, completion beeps, speech, grid and much more.

Megalosound is the best value-for-money 8 bit sound sampler available. For all Amigas.

*16200 SW Pacific Highway, Suite 162 Tigard, OR 97224 • Phone (503) 620-4919 • Fax (503) 624-2940*

OREGON RESEARCH

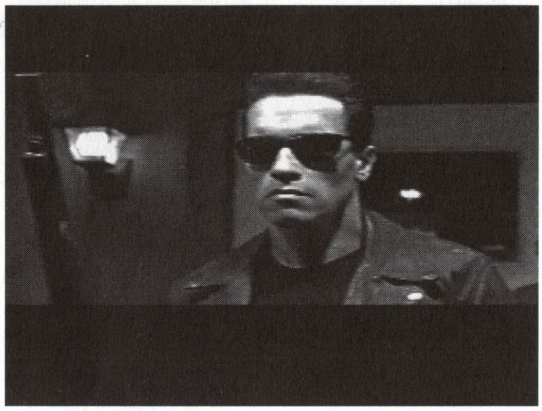
# VideoMaster

**Info**

MRP 119.95
- ✓ A500
- ✓ A1200
- ✓ ST
- ✓ Falcon

## VideoMaster

A revolutionary breakthrough in home computer technology. VideoMaster combines the complexity of a video digitizer with a sound sampler in a single easy to use, low cost unit, bringing you the ultimate home Video/Audio editing package. This is the first ever low cost integrated multimedia system for your computer and is absolutely packed with unique features.

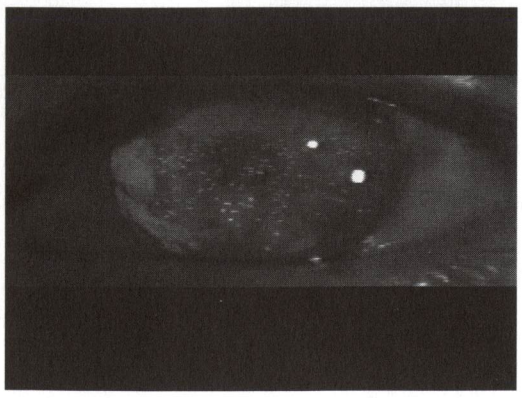


## Digitize Video Clips

VideoMaster will allow you to record monochrome, quarter screen pictures at speeds of up to 30 frames per second, providing ultra smooth playback at high speeds. These pictures can be recorded from the output of a video recorder or directly from a video camera or camcorder and replayed on your computer screen.

## Stills

VideoMaster can produce great grey scale pictures from any video source with a 'pause' or 'still frame' facility. The color filters provided in this package will enable the users of video cameras or camcorders to produce high quality, still pictures in glorious color. Alternatively, use of an electronic color splitter (not provided) will allow users of video recorders or laser disc players with a good 'still' or 'pause' facility to lift color stills directly from tape or disc.



## Add Audio

VideoMaster features a sound sampler as part of the hardware. This is supported by a full feature sound recording and editing program within the VideoMaster software. Sound samples can also be loaded into the program from disk. The VideoMaster software may also be used alone with a separate external sound sampler such as Stereo Replay or AMAS (available separately).

## Make your own movies

The VideoMaster system features a video sequencer too! Video clips can be combined with recorded or imported sounds and assigned to keys with both Video and Sample looping. These film clips can then be sequenced together and edited into short films with an audio soundtrack Your films are limited only by your computer's RAM and your imagination! A special auto-booting player is also provided which will allow you to distribute your movies among your friends and P.D. libraries on floppy disk. The player program also features a variety of playback modes which allow you to super-impose your movies onto a still background, or even onto a moving background with its fantastic Picture-in-Picture Mode.

## What you Get

The package contains the VideoMaster Video Digitizing and Sound Sampling hardware unit, Tri-color filters for color camera use, comprehensive user guide, and full system software.

## Requirements

VideoMaster will work on any standard Commodore A500/500+, A1200, A600, Atari ST, or Atari Falcon.
(Separate versions Available for each computer)

## ColorMaster

Available separately as an accessory to VideoMaster, this is an automatic, electronic RGB color filter. This device plugs into the printer port on your computer. You then run your video lead through ColorMaster before plugging it into VideoMaster. This enables you to take full color stills from any good video source, automatically, without any hassle. Simply click on the 'Auto' button on the full screen portion of the software, and VideoMaster and ColorMaster together sample the three filtered portions of the image, and then merge them together.

*16200 SW Pacific Highway, Suite 162 Tigard, OR 97224 • Phone (503)620-4919 • Fax (503) 624-2940*

# OREGON RESEARCH

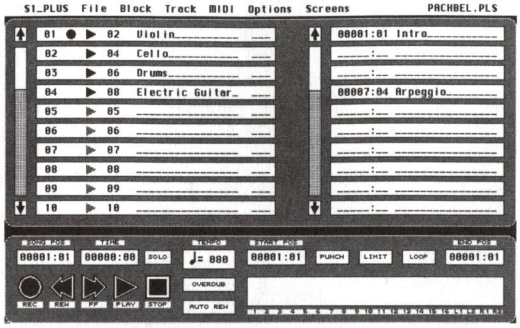
# Sequencer One Plus

**Info**

MRP: $129.95
✓Amiga
✓Atari

**Version 1.3**

**SEQUENCER ONE PLUS** is a high quality, 32 track MIDI sequencer which will run on your Amiga or Atari ST/STe/TT. But don't think it's just another ordinary sequencer.....



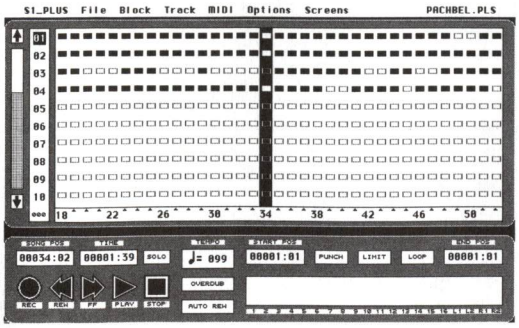

**The Track List Screen**

**SEQUENCER ONE PLUS** is much more! As well as playing your MIDI instruments, Sequencer One Plus can, *at the same time*, play back 8-bit samples. If you have an Amiga, it takes full advantages of the built in sample handling hardware, and plays back through the audio output sockets, whereas Atari owners can play back through one of our 8-bit plug-in sample cartridges, through your monitor or TV speaker, or through the DMA sound output sockets on your STE/TT. All in full Stereo, hardware permitting.

**SEQUENCER ONE PLUS** is a MIDI sequencer, a sample sequencer, or both at the same time! Add to that a host of highly graphical and user friendly editing screens, unique and innovative features, like Diamond Drag note editing system, and a simplicity of use which has impressed the experts, then you'll find a really effective tool for creating your music easily, quickly and precisely.

**SEQUENCER ONE PLUS** works on any Amiga display; on the Atari it operates in High (mono), and Medium Resolutions (color). Therefore, it runs equally well on a TV as it does on any standard monitor.

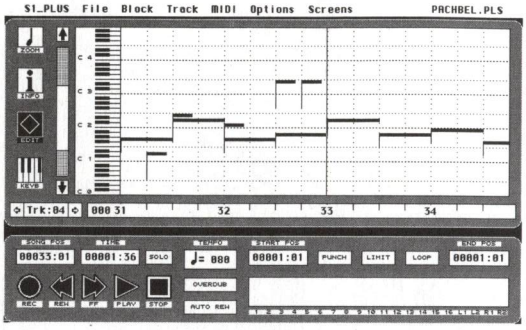
Amiga owners will need an extra hard ware interface to use the MIDI facilities.




**The Bar Editor Screen**

**SEQUENCER ONE PLUS** is special. But don't take our word for it! Just have a look at what the professionals are saying.....

"*... makes other graphic note editing systems seem like an unnecessary strain on the eyes.*" Steve Wright, ST Format.



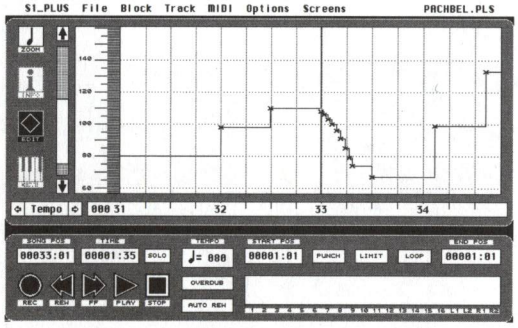

**The Step Editor Screen**

"*... by far the easiest grid edit system I've seen...*" - Ian Waugh, Music Technology

"*... due to its ease of use, it's perfect for the beginner.*" - Paul Austin, Amiga Computing

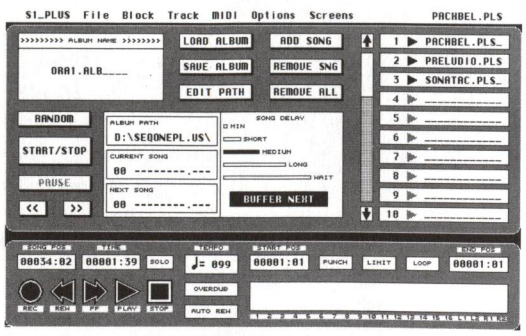
"*...It's also exceedingly fast - much faster even than some of the more professional sequencers.*" - Steve Wright, ST Format

"*... it offers the speed, accuracy, and no-nonsense options that will appeal to busy professionals who simply require a method of recording and manipulating their creations as quickly as possible.*" - Paul Austin,Amiga Computing




**The Tempo Map Screen**

**SEQUENCER ONE PLUS** offers 32 track sequencing over 16 MIDI channels with simultaneous replay of up to four 8-bit samples and MIDI data, keyboard and mouse control, usable without a MIDI device, bar editing for song arrangement, a juke box, full tempo control, unique Diamond Drag editing system, sysex librarian tools, extensive MIDI control, and much more!!!




**The Juke Box Screen**

*16200 SW Pacific Highway, Suite 162 Tigard, OR 97224 • Phone (503)620-4919 • Fax (503) 624-2940*

# OREGON RESEARCH

# DevPac 3

**Info**

MRP: $109.95
- ✓ A500
- ✓ A1200
- ✓ A2000
- ✓ A3000/4000

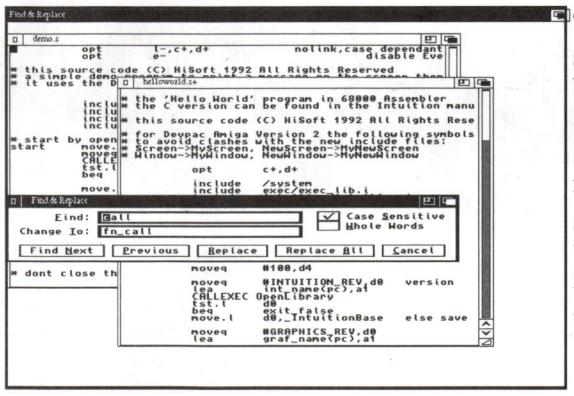
**Version 3.04**

Devpac 3 is the latest version of the popular assembler/debugger package for *all* Amiga Computers. Packed full of features, it is the ideal programming environment for beginners and professional programmers alike.

## The Editor

A fast, completely new, multi-window editor with bookmarks, mouse block-marking, macros, great window flexibility (including multi-views on one file), extensive user configuration and full integration with the other Devpac programs.

You can call up any other program from within the editor, make optional back-ups, change fonts, search and replace (case sensitive/insensitive, whole words/partial text) and much more.



The editor supports both Workbench 2 and Workbench 1.3 and also multi-tasks, giving tremendous flexibility and ease of use.

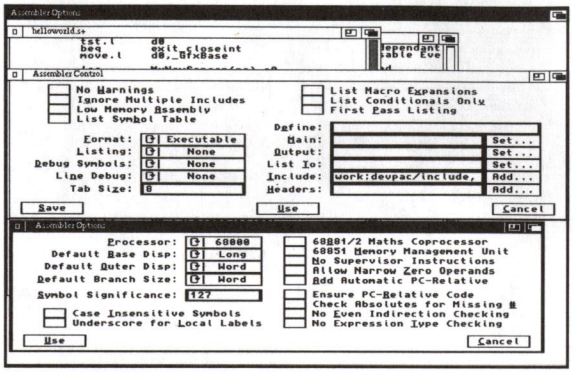
## The Assembler

Improved and extended, the Devpac 3 macro assembler is now at least 40% faster than its predecessor (without using pre-assembly), has many extra, switchable optimisations and, with the ability to pre-assemble files for inclusion, can now claim to be the fastest assembler on the Amiga. It produces 68000 up to 68040 code (via a user option) and also supports the maths co-processors.

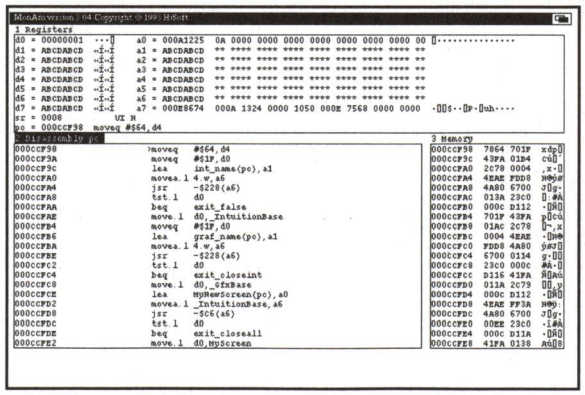
Standard ueatures like assemble to memory, many assembler-control options, listing to printer, screen or file, fully nestable includes, extensive directives, repeat loops and code output to executable, linkable or S-record file types make Devpac 3 indispensable for the serious programmer. In addition, its integration and ease of use are a boon for the newcomer to assembly language programming.

## The Debugger

Devpac 3 is provided with a versatile multi-window debugger/disassembler for bug hunting and ease of learning. You can have as many views on your program as you wish, including on its source code; the debugger even supports the line number information output by such packages as SAS C 5 and HighSpeed Pascal.



Commands include examine and modify memory, view and change register values, set various types of breakpoints (including conditional and count breakpoints) and single-step instructions, even at a source code level! Each view can be tied to an arbitrary expression so you can track the course of your program and its variables in a simple and friendly manner. The disassembler and debugger are compatible with all the 6 8 0 x 0 processors up to the 68040 and also include support for the maths co-processors.



## The Package

Devpac 3 is supplied of 4 diskettes with a professional, 300-page, wire-bound manual, all the necessary include files for your system, a fast linker, various utilities, example programs, and a complete 68000 Pocket Programmer's Reference Guide.

*16200 SW Pacific Highway, Suite 162 Tigard, OR 97224 • Phone (503)620-4919 • Fax (503)624-2940*

OREGON RESEARCH

# HighSpeed Pascal

**Info**

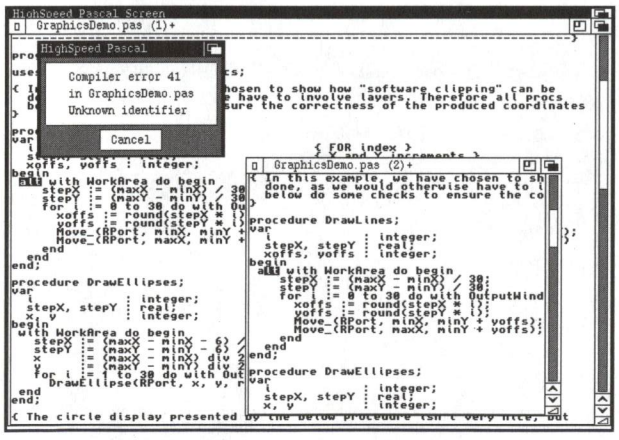
MRP: $149.95
- ✓ A500
- ✓ A1200
- ✓ A2000
- ✓ A3000/4000

**Version 1.10**

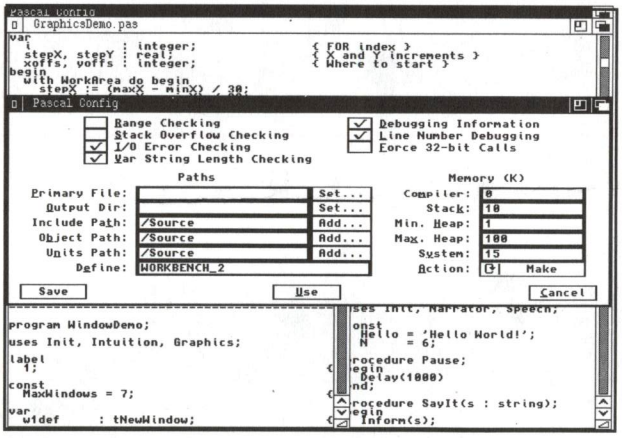
HighSpeed Pascal is The Pascal system for 68000 computers. Designed to be compatible with the hugely successful Turbo Pascal 5.0 on the PC, HighSpeed Pascal is packed full of features that mak it simple for everyone to learn and use.

## Features

- Fast, single-pass compiler in a fully integrated environment.
- Compilation speed of more than 20,000 lines per minute
- High level of Turbo Pascal compatibility with full recursion
- Compile to memory or compile to disk
- Integrated multi-window editor
- Interactive error detection for compile and run-time errors
- Stand-alone compiler also supplied




- Integrated Make facility for easy project management
- Unit Concept, such as found in Turbo Pascal 5:
  - *allows modular development*
  - *gives very fast compilation*
  - *many standard units in the package*
  - *build your units into one resident library; a library maker is supplied*
- Source code control using conditional compilation
- Full source include facility to a depth of 7
- Structured constants
- Supports ShortInt, LongInt, Single (4 byte IEEE format), Double (8 byte IEEE format), Extended (a fast 10 byte format) as well as Integer and Real
- Multi-path search facility for include files/units/object files
- Inline assembly of link with assembly language code




- Turbo Pascal compatible dynamic length strings, shift operators, hex numbers, untyped parameters, generic pointers, file handling, DOS, Graph unit, etc.
- Numerous Examples

## The Package

HighSpeed Pascal contains a fully integrated, multi-window editor a fast compiler that produces machine code directly, many standard and machine-specific units, a set of useful utilities and many examples.

In addition, HighSpeed Pascal is supplied with two extensive manuals. A User manual, detailing all aspects of the package, and a Technical Reference Manual, with specific information on each of the commands available in HighSpeed Pascal.

Runs on all Amiga and ST/STe/TT Computers in all standard screen resolutions.

*16200 SW Pacific Highway, Suite 162 Tigard, OR 97224 • Phone (503)620-4919 • Fax (503) 624-2940*

# Express Yourself

*With Oregon Research Software*

## Programming Languages

| | | |
|---|---|---|
| **Devpac 3** | Professional 680x0 Development System. Integrated editor, debugger | **$109.95** |
| **HighSpeed Pascal** | Pascal Development System, compatible with Turbo Pascal 5 on PC | **$149.95** |
| **HiSoft Basic 2** | High End Structured Basic language System. Integrated Editor, Compiler, Debugger | Available March |

## Sound and Video

| | | |
|---|---|---|
| **Clarity 16** | 16 Bit Stereo Sampler. Multi Sample Editor, effects, sample sequencer. Use Clarity 16 samples with sequencers below | **$229.95** |
| **VideoMaster** | Low cost multimedia system. Sample color stills, greyscale motion, and sound. | **$109.95 A500**<br>**$119.95 A1200** |
| **MegaLoSound** | Amazing 8 bit Stereo Sound Sampler. Many effects, features, plus Direct to Disk recording | **$59.95** |

## Music Software

| | | |
|---|---|---|
| **Sequencer One** | 32 Track MIDI sequencer, plus the ability to playback Samples at the same time. Step Editor, Track List, More | **$39.95** |
| **Sequencer One +** | All the features of Sequencer One plus Tempo Control, Diamond Drag Editing, Juke Box, more | **$129.95** |
| **The Hit Kit !** | Music Composition system. Use with Sequencer One or Sequencer One Plus | **$39.95** |

## Entertainment

| | | |
|---|---|---|
| **Proflight** | Exciting Tornado Fighter flight simulator. Closest thing to flying without leaving the ground! | **$34.95** |

16200 SW Pacific Hwy
Suite 162
Tigard, OR 97224

OREGON RESEARCH

Phone: (503) 620-4919
Fax: (503) 624-2940

Printed on Recycled Paper